SUCCESS STORY

Depot Scheduling System Deployed

The Programmed Depot Maintenance Scheduling System (PDMSS) has achieved a major milestone--system implementation at the maintenance depots within the Department of Defense (DoD). PDMSS is a maintenance management tool that coordinates all resources (manpower, equipment, and facilities) required to perform maintenance on a major end item such as an aircraft, ship, or vehicle. The Joint Logistics Systems Center (JLSC) is responsible for PDMSS, one of ten applications that collectively form the Depot Maintenance Systems (DMS) providing interoperability for DoD maintenance depot systems based on existing data and improved business practices. The PDMSS development, implementation, and management team consists of personnel from the government and Robbins-Gioia.

Joint Logistics Systems Center

DEPLOYED SITES

ARMY

Anniston Army Depot (AD)
Corpus Christi AD
Letterkenny AD
Red River AD
Tobyhanna AD

NAVY

Norfolk Naval Ship Yard (NSY)
Long Beach NSY
Puget Sound NSY
Pearl Harbor NSY
Portsmouth NSY
Naval Aviation Depot (NADEP) North Island
NADEP Cherry Point
NADEP Jacksonville
NADEP Pensacola

MARINE CORPS

Marine Corps Logistics Base (MCLB) - Albany
MCLB - Barstow

AIR FORCE

San Antonio Air Logistics Center (ALC)
Oklahoma City ALC
Ogden ALC
Sacramento ALC
Warner Robins ALC

Public Affairs
JLSC/CSS, Bldg. 15
1864 Fourth St., Ste 1
Wright-Patterson AFB OH 45433-7131
Comm: (937) 255-0336
DSN: 785-0336
FAX: (937) 656-4763
Internet http://www.jlsc.wpafb.af.mil/
(Current as of December 1996)

Accomplishments

Between 1992 and 1996, PDMSS was implemented at 21 maintenance depot sites and is currently being used on over 40 different and diverse weapon systems. A consolidation of all the business case analyses performed for each implementation site estimated that the savings produced by using PDMSS would have a net present value of $220 million and a return on investment of approximately five to one. As a direct result of implementing PDMSS, depots have made more efficient use of their excess capacity and realized reductions in man-hours. Warner Robins Air Logistics Center (ALC) was able to deliver a C-130 aircraft three weeks ahead of schedule, and Oklahoma City ALC scheduled two additional B-1B aircraft into the PDM process over and above the number of B-1B's normally inducted in a year. North Island Naval Air Depot improved F/A-18 scheduling by 30 percent and reduced the E-2/C-2 depot cycle time by 28 days or 13 percent, while Corpus Christi Army Depot reduced helicopter turnaround times by 10 days. With improved scheduling, Ogden ALC has saved 250 man-hours per aircraft, while the Navy has saved 34,500 man-days on the overhaul of just one ship. Major General Spiers, the former Commander of Oklahoma City Air Logistics Center, was quoted as saying "This system has reduced 10 days from each aircraft flow time through depot and this allows Tinker to input two additional revenue-generating aircraft in the last year. This saved dollars for Tinker, customers, and, ultimately, taxpayers."

Background

PDMSS started off as a near-term initiative by the Depot Maintenance Executive Agent to demonstrate its capabilities and was subsequently transferred to the JLSC. Prior to PDMSS, scheduling of depot-related maintenance activities varied from depot to depot and service to service. Each individual shop within the depot would schedule its own tasks without any insight into the activities of other shops. Subsequently, any delays that occurred in one shop affected the activities of other shops. In addition, upper management's function, that of just keeping track of each piece of equipment and the workload of each shop, was a manpower-intensive task. PDMSS was so successful that it quickly evolved into a migration system for implementation across all of the Component's maintenance depots. The JLSC funded the PDMSS hardware, software, and technical support for the first year of operation at each implementation site, thereby allowing each depot to assess for themselves, at little to no risk, the benefits of this system. Each product line that used PDMSS determined that the savings realized outweighed the PDMSS operating cost and have continued to fund PDMSS themselves.

CUSTOMERS HEARD; PROMISES KEPT